

Title (en)
A WAVE-POWER UNIT AND THE USE OF A WAVE-POWER UNIT FOR PRODUCTION OF ELECTRIC POWER, A METHOD OF GENERATING ELECTRIC POWER AND A SYSTEM OF COMPONENTS FOR MANUFACTURING A LINEAR GENERATOR FOR A WAVE-POWER UNIT

Title (de)
WELLENENERGIEEINHEIT UND DIE VERWENDUNG EINER WELLENENERGIEEINHEIT ZUR ERZEUGUNG ELEKTRISCHER ENERGIE, VERFAHREN ZUR ERZEUGUNG ELEKTRISCHER ENERGIE UND KOMPONENTENSYSTEM ZUR HERSTELLUNG EINES LINEARGENERATORS FÜR EINE WELLENENERGIEEINHEIT

Title (fr)
UNITE HOULOMOTRICE ET UTILISATION D'UNE UNITE HOULOMOTRICE POUR LA PRODUCTION D'ENERGIE ELECTRIQUE, PROCEDE DE GENERATION D'ENERGIE ELECTRIQUE ET SYSTEME CONSTITUE DE COMPOSANTS PERMETTANT DE FABRIQUER UN GENERATEUR LINEAIRE DESTINE A UNE UNITE HOULOMOTRICE

Publication
EP 1474607 A1 20041110 (EN)

Application
EP 02793706 A 20021219

Priority

- SE 0202405 W 20021219
- SE 0200065 A 20020110
- SE 0200613 A 20020228

Abstract (en)
[origin: WO03058055A1] The present invention relates to a wave-power unit having a floating body (3) which is connected by a connection means (4) to the rotor (7) of an electric linear generator (5). The stator (6) is anchored in the sea bed (1). In accordance with the invention the rotor (7) is permanently magnetic and the stator (6) comprises winding forming a plurality of poles distributed in the direction of movement of the rotor. The invention also relates to a wave-power plant composed of a number of wave-power units in accordance with the invention. The invention also relates to the use of the claimed wave-power unit, a method of generating electric energy, a system of components for the manufacture of a linear generator for a wave-power unit in accordance with the invention, and to a method of manufacturing such a linear generator.

IPC 1-7
F03B 13/18; **F03B 13/12**; **H02B 7/00**

IPC 8 full level
F03B 13/18 (2006.01); **H02K 35/02** (2006.01)

CPC (source: EP US)
F03B 13/1885 (2013.01 - EP US); **F05B 2220/707** (2013.01 - EP US); **Y02E 10/30** (2013.01 - EP US)

Citation (search report)
See references of WO 03058055A1

Cited by
CN111189434A; EP3922838A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
WO 03058055 A1 20030717; AT E369492 T1 20070815; AU 2002359188 A1 20030724; AU 2002359188 B2 20080828; CA 2472942 A1 20030717; CA 2472942 C 20100316; CN 1615400 A 20050511; CN 1615400 B 20100609; CY 1106906 T1 20120926; DE 60221712 D1 20070920; DE 60221712 T2 20080515; DK 1474607 T3 20071227; EP 1474607 A1 20041110; EP 1474607 B1 20070808; ES 2291525 T3 20080301; JP 2005531707 A 20051020; JP 4732690 B2 20110727; NZ 534543 A 20050624; PT 1474607 E 20071113; TW 200301799 A 20030716; TW 200302317 A 20030801; TW I276741 B 20070321; ZA 200406297 B 20051130

DOCDB simple family (application)
SE 0202405 W 20021219; AT 02793706 T 20021219; AU 2002359188 A 20021219; CA 2472942 A 20021219; CN 02827054 A 20021219; CY 071101266 T 20071004; DE 60221712 T 20021219; DK 02793706 T 20021219; EP 02793706 A 20021219; ES 02793706 T 20021219; JP 2003558334 A 20021219; NZ 53454302 A 20021219; PT 02793706 T 20021219; TW 92100175 A 20030106; TW 92100176 A 20030106; ZA 200406297 A 20040806